

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
4 May 2006 (04.05.2006)

PCT

(10) International Publication Number
WO 2006/047783 A2

(51) International Patent Classification: **Not classified**

(21) International Application Number:
PCT/US2005/039395

(22) International Filing Date: 26 October 2005 (26.10.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
93132333 26 October 2004 (26.10.2004) TW

(71) Applicant: **STEELWORKS HARDWARE, L.L.C.**
[US/US]; 211 Waukegan Road, Suite 300, Northfield, IL
60093 (US).

(71) Applicant and

(72) Inventor: **NGUY, Chanwa** [—/US]; 18120 Harbor Light
Boulevard, Cornelius, NC 28031 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **LIN, Pei-Ying**
[CN/—]; No. 10, Lane 188, Guhg-ye Rd., Lunqjing
Shiang, Taichung Hsien (TW).

(74) Agents: **EDELSON, Leon, I.** et al.; Levenfeld Pearlstein,
PO Box 0212, Chicago, IL 60690-0212 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY,
MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO,
NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GI,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT,
RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

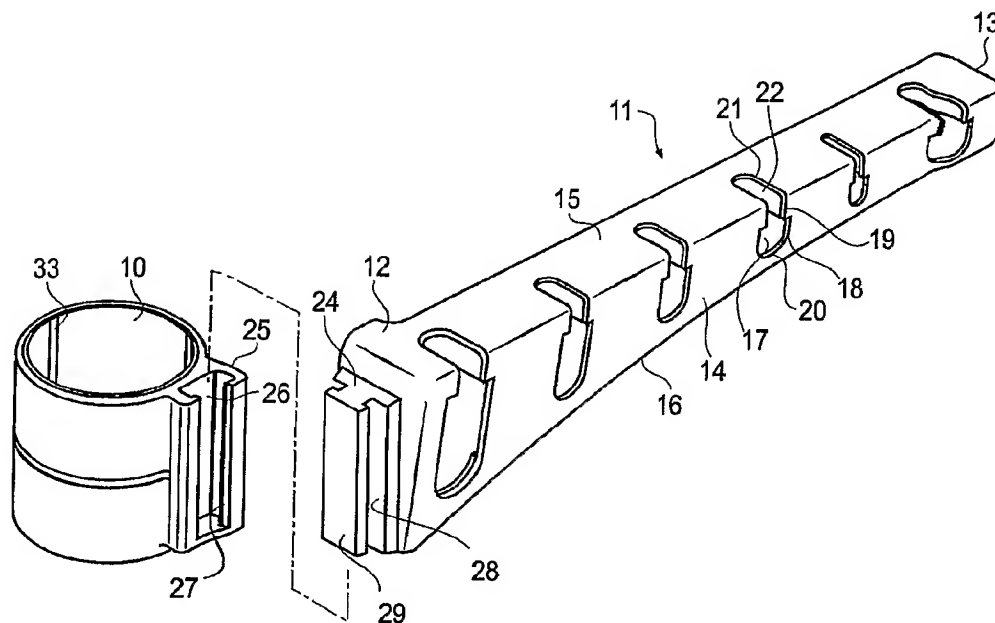
— of inventorship (Rule 4.17(iv))

Published:

— without international search report and to be republished
upon receipt of that report

[Continued on next page]

(54) Title: **TOOL STORAGE DEVICE**



(57) **Abstract:** A tool device is disclosed to include a hollow upright pivot shaft, coupling rings rotatably mounted on the hollow upright pivot shaft at different elevations, and support arms respectively coupled to the coupling rings and turnable with the respective coupling rings about the hollow upright pivot shaft, each support arm having a plurality of open receiving chambers respectively vertically cut through the top and bottom walls thereof for holding hand tools, each open receiving chamber having a front opening, a top opening connected to the top open side of the front opening, and a bottom opening.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.